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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/658,391	09/10/2003	Jung-Wen Chang	TSAI 124	2268

7590 02/24/2006
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EXAMINER

FATAHI YAR, MAHMOUD

ART UNIT	PAPER NUMBER
2674	

DATE MAILED: 02/24/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/658,391	CHANG ET AL.	
	Examiner	Art Unit	
	Mike Fatahiyar	2674	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 August 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 5, 14 and 19-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 5 and 14 are vague and indefinite because it is not clear how "the control buttons directly control the optical disk drive while the central processing unit of the notebook/tablet computer is turned off". In other words, conventionally a single CPU controls all the functioning and the processing controls of an integrated notebook/tablet computer device. The figures and the specification do not show an alternative CPU for controlling directly the buttons of the optical disk drive. Thus, it is not clear what element or means performs the noted function when the CPU of the notebook/tablet is turned off.

In claim 19, line 2, it is not clear to what the recitation "display shelf" refers and how the optical disk content is played on the display shelf. Correction and/or clarification is required.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saarinen(6,882,335B2) in view of Itoh(20020041753A1).

Saarinen discloses a liquid crystal notebook/tablet dual purpose computer device comprising a liquid crystal display panel(22, 200), a plurality of control buttons(204, 206), an option determining device(68a) for determining the mode of the mobile display apparatus(22) and automatically setting or configuring the function of the buttons(204, 206) and rotation shaft(66) which all function as claimed. Saarinen substantially show all the features of the above claims except for the "optical disk drive", the control buttons comprise "a security button", "a function switch button", "a screen orientation button", "an escape button", "an enter button", "a rolling up button", "a rolling down button", "a play button", "a stop button", "a reed switch" and the magnetic". However, Itoh is cited to show that the concept of utilizing an integrated touch panel/LCD display device(4, 5, 40) having an optical disk drive(3) comprising scroll keys(6), mode selector button(8) and menu display button(9) is old. Thus, it would have been obvious to one of ordinary skill in the art to modify the system of Saarinen with noted teachings of Itoh such that to provide an integrated dual purpose notebook/tablet liquid crystal display device having an optical disk drive with the necessary buttons such start, stop, scroll-up, scroll-down, escape, enter or etc. because both device are related an integrated LCD/tablet display device with a mode selector switch for displaying image data.

In claims 9, 10 and 17, as to the limitations "reed switch" and "magnet switch", while Saarinen states the orientation detector(54, 68a) may be a tilt sensor or accelerometer switches, for example, however, it would have been obvious to one of

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ordinary skill in the art to utilize a reed switch or a magnet switch for determining the mode of the display because all these sensors or detectors are alternative equivalent of each other which are well within the purview of one of ordinary skill in the art.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hunt et al, Anlauff, Oakley, Lampson, Endo and Anderson are made of record to show various types combines LCD display and tablet with a mode selection switch.


5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Fatahiyar whose telephone number is (571)272-7688. The examiner can normally be reached on Monday-Friday from 9:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard, can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

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you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



PATRICK N. EDOUARD
SUPERVISORY PATENT EXAMINER

MF
M. Fatahiyar

February 20, 2006